

8/14 #9



OIPE

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/004,530A

DATE: 08/14/2002

TIME: 14:42:50

Input Set : A:\00537-00900K.txt

Output Set: N:\CRF4\08142002\J004530A.raw

4 <110> APPLICANT: Coy, David H.
 5 Moreau, Jacques-Pierre
 6 Kim, Sun H.
 8 <120> TITLE OF INVENTION: OCTAPEPTIDE BOMBESIN ANALOGS
 10 <130> FILE REFERENCE: 00537-00900K
 12 <140> CURRENT APPLICATION NUMBER: 10/004,530A
 C--> 13 <141> CURRENT FILING DATE: 2002-08-09
 15 <150> PRIOR APPLICATION NUMBER: 09/260,846
 16 <151> PRIOR FILING DATE: 1999-03-02
 18 <150> PRIOR APPLICATION NUMBER: 08/337,127
 19 <151> PRIOR FILING DATE: 1994-11-10
 21 <150> PRIOR APPLICATION NUMBER: 07/779,039
 22 <151> PRIOR FILING DATE: 1991-10-18
 24 <150> PRIOR APPLICATION NUMBER: 07/502,438
 25 <151> PRIOR FILING DATE: 1990-03-30
 27 <150> PRIOR APPLICATION NUMBER: 07/397,169
 28 <151> PRIOR FILING DATE: 1989-08-21
 30 <150> PRIOR APPLICATION NUMBER: 07/376,555
 31 <151> PRIOR FILING DATE: 1989-07-07
 33 <150> PRIOR APPLICATION NUMBER: 07/317,941
 34 <151> PRIOR FILING DATE: 1989-03-02
 36 <150> PRIOR APPLICATION NUMBER: 07/282,328
 37 <151> PRIOR FILING DATE: 1988-12-09
 39 <150> PRIOR APPLICATION NUMBER: 07/257,998
 40 <151> PRIOR FILING DATE: 1988-10-14
 42 <150> PRIOR APPLICATION NUMBER: 07/248,771
 43 <151> PRIOR FILING DATE: 1988-09-23
 45 <150> PRIOR APPLICATION NUMBER: 07/207,759
 46 <151> PRIOR FILING DATE: 1988-06-16
 48 <150> PRIOR APPLICATION NUMBER: 07/204,171
 49 <151> PRIOR FILING DATE: 1988-06-08
 51 <150> PRIOR APPLICATION NUMBER: 07/173,311
 52 <151> PRIOR FILING DATE: 1988-03-25
 54 <150> PRIOR APPLICATION NUMBER: 07/100,571
 55 <151> PRIOR FILING DATE: 1987-09-24
 57 <160> NUMBER OF SEQ ID NOS: 26
 59 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 61 <210> SEQ ID NO: 1
 62 <211> LENGTH: 14
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Xenopus laevis
 66 <400> SEQUENCE: 1
 67 Glu Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His Leu Met

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68 1 5 10

70 <210> SEQ ID NO: 2

71 <211> LENGTH: 27

72 <212> TYPE: PRT

73 <213> ORGANISM: Sus scrofa

75 <400> SEQUENCE: 2

76 Ala Pro Val Ser Val Gly Gly Gly Thr Val Leu Ala Lys Met Tyr Pro

77 1 5 10 15

78 Arg Gly Asn His Trp Ala Val Gly His Leu Met

79 20 25

81 <210> SEQ ID NO: 3

82 <211> LENGTH: 27

83 <212> TYPE: PRT

84 <213> ORGANISM: Homo sapiens

86 <400> SEQUENCE: 3

87 Val Pro Leu Pro Ala Gly Gly Gly Thr Val Leu Thr Lys Met Tyr Pro

88 1 5 10 15

89 Arg Gly Asn His Trp Ala Val Gly His Leu Met

90 20 25

92 <210> SEQ ID NO: 4

93 <211> LENGTH: 8

94 <212> TYPE: PRT

95 <213> ORGANISM: Artificial Sequence

97 <220> FEATURE:

98 <223> OTHER INFORMATION: Synthetically generated peptide

W--> 100 <221> NAME/KEY: VARIANT

101 <222> LOCATION: 8

102 <223> OTHER INFORMATION: Xaa = statine

W--> 104 <400> 4

W--> 105 Glu Gln Trp Ala Val Gly His Xaa

106 1 5

108 <210> SEQ ID NO: 5

109 <211> LENGTH: 29

110 <212> TYPE: PRT

111 <213> ORGANISM: Artificial Sequence

113 <220> FEATURE:

114 <223> OTHER INFORMATION: Synthetically generated peptide

W--> 116 <221> NAME/KEY: VARIANT

117 <222> LOCATION: 2

118 <223> OTHER INFORMATION: Xaa at position 2 is Ala, D-Ala, N-methyl-D-Ala,

119 or alpha-aminobutyric acid

W--> 121 <400> 5

W--> 122 Tyr Xaa Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln

123 1 5 10 15

124 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg

125 20 25

127 <210> SEQ ID NO: 6

128 <211> LENGTH: 9

129 <212> TYPE: PRT

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130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Synthetically generated peptide
135 <400> SEQUENCE: 6
136 Glu Gln Trp Ala Val Gly His Phe Leu
137 1 5
139 <210> SEQ ID NO: 7
140 <211> LENGTH: 9
141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Synthetically generated peptide
147 <400> SEQUENCE: 7
148 Glu Gln Trp Ala Val Gly His Leu Leu
149 1 5
151 <210> SEQ ID NO: 8
152 <211> LENGTH: 9
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Synthetically generated peptide
159 <400> SEQUENCE: 8
160 Glu Gln Trp Ala Val Gly His Leu Leu
161 1 5
163 <210> SEQ ID NO: 9
164 <211> LENGTH: 9
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Synthetically generated peptide
W--> 171 <221> NAME/KEY: VARIANT
172 <222> LOCATION: 9
173 <223> OTHER INFORMATION: Xaa = statine
W--> 175 <400> 9
W--> 176 Glu Gln Gln Trp Ala Val Gly His Xaa
177 1 5
179 <210> SEQ ID NO: 10
180 <211> LENGTH: 35
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Synthetically generated peptide
187 <400> SEQUENCE: 10
188 Tyr Arg Lys Ala Leu Gly Gln Leu Ser Ala Arg Lys Leu Leu Gln Asp
189 1 5 10 15
190 Ile Met Ser Arg Gln Gln Gly Glu Ser Asn Gln Glu Arg Gly Ala Arg
191 20 25 30
192 Ala Arg Leu
193 35

```

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Input Set : A:\00537-00900K.txt

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195 <210> SEQ ID NO: 11
196 <211> LENGTH: 29
197 <212> TYPE: PRT
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 11
201 Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
202 1 5 10 15
203 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
204 20 25
206 <210> SEQ ID NO: 12
207 <211> LENGTH: 10
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Synthetically generated peptide
214 <400> SEQUENCE: 12
215 Gly Asn His Trp Ala Val Gly His Leu Leu
216 1 5 10
218 <210> SEQ ID NO: 13
219 <211> LENGTH: 9
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
223 <400> SEQUENCE: 13
224 Glu Gln Trp Ala Val Gly His Phe Met
225 1 5
227 <210> SEQ ID NO: 14
228 <211> LENGTH: 10
229 <212> TYPE: PRT
230 <213> ORGANISM: Homo sapiens
232 <400> SEQUENCE: 14
233 Gly Ser His Trp Ala Val Gly His Leu Met
234 1 5 10
236 <210> SEQ ID NO: 15
237 <211> LENGTH: 10
238 <212> TYPE: PRT
239 <213> ORGANISM: Xenopus laevis
241 <400> SEQUENCE: 15
242 Gly Asn Gln Trp Ala Val Gly His Leu Met
243 1 5 10
245 <210> SEQ ID NO: 16
246 <211> LENGTH: 10
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <400> SEQUENCE: 16
251 Gly Asn His Trp Ala Val Gly His Leu Met
252 1 5 10
254 <210> SEQ ID NO: 17
255 <211> LENGTH: 28
256 <212> TYPE: PRT

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Input Set : A:\00537-00900K.txt

Output Set: N:\CRF4\08142002\J004530A.raw

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257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 17
260 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
261 1 5 10 15
262 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
263 20 25
265 <210> SEQ ID NO: 18
266 <211> LENGTH: 27
267 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 18
271 His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Arg Leu Leu Gly Gln
272 1 5 10 15
273 Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Ile
274 20 25
276 <210> SEQ ID NO: 19
277 <211> LENGTH: 27
278 <212> TYPE: PRT
279 <213> ORGANISM: Homo sapiens
281 <400> SEQUENCE: 19
282 His Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Asp Ser
283 1 5 10 15
284 Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val
285 20 25
287 <210> SEQ ID NO: 20
288 <211> LENGTH: 44
289 <212> TYPE: PRT
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 20
293 Tyr Ala Asp Val Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
294 1 5 10 15
295 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
296 20 25 30
297 Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
298 35 40
300 <210> SEQ ID NO: 21
301 <211> LENGTH: 29
302 <212> TYPE: PRT
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 21
306 His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
307 1 5 10 15
308 Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
309 20 25
311 <210> SEQ ID NO: 22
312 <211> LENGTH: 42
313 <212> TYPE: PRT
314 <213> ORGANISM: Homo sapiens
316 <400> SEQUENCE: 22

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/004,530A

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TIME: 14:42:51

Input Set : A:\00537-00900K.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 8
Seq#:5; Xaa Pos. 2
Seq#:9; Xaa Pos. 9

VERIFICATION SUMMARY

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Input Set : A:\00537-00900K.txt

Output Set: N:\CRF4\08142002\J004530A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:100 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:104 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:116 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:121 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:171 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:175 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0